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CLASSIFICATION CONFIDENTIAL CONTROL - U.S. OFFICIALS ONLY 50X1-HUM

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

COUNTRY Poland

DATE DISTR. 15 SEP 51

SUBJECT T-34 Tank Engines

NO. OF PAGES 1

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO.

SUPPLEMENT TO REPORT NO.

50X1-HUM

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1. The following data refers to the engine with which Tank T-34 is equipped:

Mark and Type	V-2-34, 4-stroke high-speed Diesel engine.
Cooling system	Water cooled
Fuel system	Direct injection
Weight of engine	750 kg.
Fuel consumption per hour	a) At 30 km. p.h. on metalled roads - 40 liters b) At 25 km. p.h. on unmetalled roads - 50 liters
Cylinders	12 cylinders arranged in two rows of six. The two rows are set at an angle of 60° to each other.
Piston stroke	130 mm left block 186.7 mm right block
Cylinder volume	38.88 liters
Compression ratio	14 - 15
Cylinder compression	to 35 atmospheres
Temperature	550 - 600° centigrade
Fuel injection pressure	200 atmospheres
H.P.	at 1800 r.p.m. 500 HP " 1750 " 450 " " 1700 " 400 "
Revolutions	Maximum - 2050 r.p.m. Normal idling - 600 r.p.m.

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